

IN THE CLAIMS:

1. (previously presented) A switching amplifier for use in proximity to a tuner that has a control output, comprising:

processor means for receiving a digital input signal and for providing an output signal, responsive to an indicator signal, the output signal for use as a switching output signal, the processor means comprising a sample rate converter for converting the digital input signal to a data rate responsive to the indicator signal; and indicator signal control means for being coupled to the output of the tuner, providing the indicator signal corresponding to a first frequency when the control output indicates a first condition and a second frequency when the control output indicates a second condition.

2. (original) The switching amplifier of claim 1, wherein:

the first condition is a first set of ranges of tuning frequency of the tuner and the second condition is a second set of ranges of tuning frequency of the tuner.

3. (original) The switching amplifier of claim 2 wherein the tuner is an AM radio tuner.

4. (original) The switching amplifier of claim 1, wherein the output signal is pulse width modulated.

5. (cancel)

6. (cancel)

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7. (previously presented) The switching amplifier of claim 1, wherein the processor means comprises an analog to digital converter for converting an input analog signal to the digital input signal.

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8. (original) The switching amplifier of claim 1, wherein the input signal is from a CD player.

9. (cancel)

10. (cancel)

11. (cancel)

12. (cancel)

13. (cancel)

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15. (cancel)

16. (cancel)

17. (previously presented) The method of claim 23, wherin the step of responding further comprises:

changing the frequency of the switching signal to a predetermined frequency in response to the tuner frequency being within predetermined ranges of frequencies determined to not cause interference at the tuner frequency.

18. (previously presented) The method of claim 23, wherein the step of responding further comprises:

changing the frequency of the switching signal to a predetermined frequency in response to a control signal from the tuner.

19. (previously presented) The method of claim 23, wherein the step of responding further comprises:

changing the frequency of the switching signal to a predetermined frequency in response to detecting that interference to the input signal has occurred.

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20. (previously presented) The method of claim 23, wherein the step of responding further comprises:

using the indicator signal to set the frequency of the switching signal to a first frequency when the tuner frequency is within first ranges of frequencies and at a second frequency when the tuner is within second ranges of frequencies.

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21. (original) The method of claim 20, wherein the step of responding further comprises:

using the indicator signal to set the frequency of the switching signal to a third frequency when the tuner frequency is within third ranges of frequencies.

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22. (previously presented) The method of claim 23, wherein the step of responding further comprises:

calculating a desired frequency of the switching signal based on the tuner frequency; and providing the indicator signal to indicate the desired frequency.

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23. (previously presented) A method of operating a switching amplifier in proximity to a tuner, comprising:

receiving an input digital signal from the tuner;
responding to a tuner frequency of the tuner by modifying a sample rate of the input digital signal in response to an indicator signal if the switching signal causes interference with the input digital signal;

providing an output signal in response to the input digital signal that is useful for generating a switching signal at a frequency responsive to the indicator signal.